

## PATENT ABSTRACTS OF JAPAN

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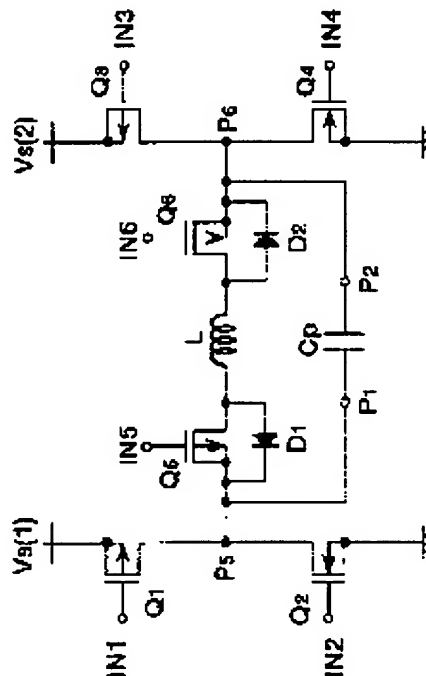
(21)Application number : 10-153059 (71)Applicant : FUJITSU LTD  
 (22)Date of filing : 02. 06. 1998 (72)Inventor : TAKAYAMA KUNIO  
 AWAMOTO KENJI  
 HASHIMOTO YASUNOBU

## (54) DRIVING CIRCUIT FOR DISPLAY DEVICE

## (57) Abstract:

PROBLEM TO BE SOLVED: To reduce reactive power by controlling respective switching elements of a maintenance circuit part.

SOLUTION: When timing control signals IN1, IN4 are applied to switching elements Q1, Q4 from a control circuit 1, a panel capacitance Cp is charged and a voltage to be applied between both ends (P1-P2) of the panel capacitance is fixed to Vs. After the switching elements Q1, Q4 are turned off, when a switching elements Q5 is turned on, the panel capacitance Cp and a coil L form a resonance circuit and electric charge stored in the panel capacitance Cp flows out as a resonance current to recharge the panel capacitance Cp in a reverse polarity. After the switching element Q5 is turned off, when the switching elements Q2, Q3 are turned on, a voltage between the terminals of the panel capacitance Cp is fixed to a -Vs. After the switching elements Q2, Q3 are turned off, when the switching element Q6 is turned on, the resonance circuit is formed with the panel capacitance Cp and the coil L to recharge the panel capacitance Cp.



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